

-20-

AN - 88-142701/21

XRAM- C88-063546

TI - Prodn. of human urinary albumin - by concentrating human urine by ultrafiltration membrane and purifying using carried contg. cation and anion exchange and dye

DC - A96 B04 J01 A14

PA - (GREC ) GREEN CROSS CORP

NP - 1

PN - J63083100-A 88.04.13 (8821) {JP}

PR - 86.09.26 86JP-227440

AP - 86.09.26 86JP-227440

IC - C07K-003/22 C07K-015/06

AB - (J63083100)

Human urine is conc by ultrafiltration membrane, then purified by using carrier on which cation exchanger, anion exchanger and Cibacron Blue F3G-A dye to obtain urinary albumin.

USE/ADVANTAGE - albumin can be recovered efficiently from urine. The properties of the obtd albumin is equal to that of originated from plasma.

In an example, ultrafiltration membrane is polyacrylonitriles, polysulphonic acids, etc membrane (1-3x10 power 4 Dalton). The condition of the sample soln at adsorption are pH 6.0-8.0, conductivity 30-100 mS at 25 deg.C. Fresh urine (100 l) is concn by polyacrylonitriles ultrafiltration membrane (fractionation m.wt. 10,000 cut). (5pp Dwg.No.0/0)